

(1)

DATE 4-5-88

TO: Information Services Branch

FROM: Computer Products Support Group

RT

KT

LB

(Init)

RE: DOD/SW)WT-88/010. Announce in CRAFT  
(Report No.)

Priority Action is Required

**AD-A188 541**

Attached

- Form NTIS 231.
- Form 277
- NTIS 79
- RDP (OF 272)
- Proof Listing
- Consigned Inventory Acquisition Form (Interagency Agreement Number and Split)

PROCESS for:

K File  
(Data)

Documentation

Mag Tape

H File  
(Software)

Documentation

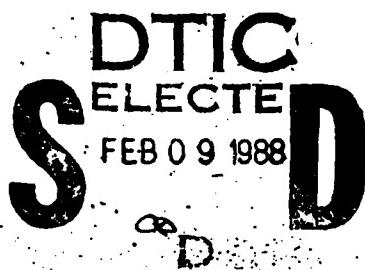
Mag Tape

Action

- Loan Document Form Attached
- Defense Sponsored: Acquire ADA Number
- Order Pending. Return immediately after copying necessary pages.

Remarks

Highlight!



**DISTRIBUTION STATEMENT A**

Approved for public release  
Distribution Unlimited

88 2 09 011

Computer Products Transmittal

DELETE NEW REPLACE CORRECTIONNTIS COMPUTER PRODUCTS  
CATALOG DATA SHEET

1. ACCESSION NO.

2. CONTRIBUTING AGENCY REPORT NO.

3. SUBJECT

\*See box 10  
DOD/SW/MT-88/010

## 4. PRODUCT (circle one)

DATA FILE

PUBLICATION

DATA BASE REFERENCE SERVICE

SOFTWARE

MODEL, SIMULATION

## 5. AGENCY, BUREAU, DIVISION, AND ADDRESS

ASD/SCOL

Language Control Division  
Area B, Bldg 676  
Wright-Patterson AFB OH 45433-6503

## 6. PRODUCT NAME (Use agency nomenclature)

Ada Compiler Validation Capability (ACVC) Version 1.10: ANSI

## 7. DESCRIPTORS OF PRODUCT (Keywords, identifiers, etc.) \*Software,

The ACVC is a suite of tests designed to test on Ada compiler's conformance to MIL-STD-1815A.

## 8. DATES OF COVERAGE (For one-time reports, use as-of-date; for software, use date and release no.)

1 DEC 87, Version 1.10

## 9. FILE SIZE IN NO. OF:

REELS    1PUNCHED CARDS    

## 10. AVAILABILITY STATEMENT - AGENCY NAME AND ADDRESS, ORDER NO., ETC. (If NTIS sells, leave blank)

\*See also: AD-A 187 410

## 11. PRICE INFORMATION

Price code: T99 (\$1,000 - Domestic)  
(\$2,000 - Foreign)

Price includes documentation.

## 12. GEOGRAPHIC SCOPE

## 13. TECHNICAL REPRESENTATIVES (List at least one for subject and one for media)

NAME

TITLE

PHONE NO.

STEVEN P. WILSON

MATEHMATICIAN

513-255-4472

## 14. DOCUMENTATION

 AVAILABLE

EXPECTED AVAILABILITY DATE

## NTIS COMPUTER PRODUCTS CATALOG DATA SHEET

## 15. COMPUTER PRODUCT ABSTRACT

The Ada Compiler Validation Capability (ACVC) is a suite of tests designed to determine an Ada compiler's conformance to MIL-STD-1815A, the Ada Language Reference Manual (LRM). Version 1.10 was released in December 87 and will become the official ACVC version, replacing 1.9, in June 88. ACVC 1.10 will be the official version until June 89 when it will be replaced by ACVC version 1.11.

Each of the 3719 tests in the ACVC 1.10 is designed to test a single test objective specified in the Ada Implementer's Guide (AIG), a document enumerating the LRM into discrete test objectives in order to aid compiler development.

~~The ACVC 1.10 is written on 43 diskettes in MS-DOS format at nine sectors per track. Each test in the suite is named according to the compilation stages (compile, link, execute) analyzed and the section of the AIG, down to the specific test objective, covered.~~ Software Description: The model is written in the Ada programming language for implementation on a DEC VAX-11/780 computer using the VMS operating system. Memory requirement is 10 K bytes.

## 16. DATA FILE TECHNICAL DESCRIPTION

Source tape is in ASCII character set. Character set restricts preparation to 9 track, one-half inch tape only. Identify recording made by specifying density only. Call NTIS Computer Products, if you have any questions.

## 17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran  COBOL  Basic  Assembly  Other (Specify)  Ada

Software requires;

CPR Mfr. DEC VAX-11/780 Model(s) \_\_\_\_\_ Operating system(s) VMS  
Minimum of 10 K bytes core. The following special features and/or additional requirements in hardware:

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO.,  
AND DATE

SIGNATURE OF NTIS REPRESENTATIVE AND DATE  
FORM PREPARED

## COMPUTER MAGNETIC TAPE FILE PROPERTIES

OPM#04

01. Completion Date Year Month Day			02. Form Prepared By (Name and Phone) STEVEN P. WILSON (513) 255-4472			03. Reel ID Number (Property Control No.) ACVC 1.10 ANSI		
04. Recording Date Year Month Day			05. File Identifier or Descriptive Title Ada Compiler Validation Capability (ACVC) Version 1.10			06. Short Title (External Label Name) ACVC10		
07. Source Unavailable Year Month Day			08. Documentation Available (Enter Citation)			09. File Position on Reel WHOLE TAPE		
10. To Be Returned Yes No To Other Than The Sender			11. Submitting Organization & Address ASD/SCOL BLDG 676 WRIGHT-PATTERSON AFB OH 45433			12. Receiving Organization & Address U S DEPARTMENT OF COMMERCE NATIONAL TECHNICAL INFORMATION SERV 5285 PORT ROYAL ROAD SPRINGFIELD, VA 22161		
13. Due Back Date Year Month Day								

## 14. Technical Contact(s) &amp; Phone Number(s)

STEVE WILSON (513) 255-4472

## RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit DEC VAX - 11/780			17. No. of Tracks		18. Parity		19. Density (BPI)
	7	9	Other	Odd	Even			
RECORDING SOFTWARE	16. Tape Subsystem SYSTEMS INDUSTRIES 1953			X		X		1600
	20. Operating System, Release & Version VMS			22. Internal File Identifier			NONE	
	21. Utility Program or Data Base Language COPY							
23. Characters Set (Graphics)	<input checked="" type="checkbox"/> ASCII	<input type="checkbox"/> BCD	<input type="checkbox"/> Other (Specify)	24. Recorded Label (Internal/ Label)	<input type="checkbox"/> Header	<input checked="" type="checkbox"/> ANSI X 3.27 Standard	<input type="checkbox"/> Other	
	<input type="checkbox"/> EBCDIC	<input type="checkbox"/> FIELDATA	<input type="checkbox"/> Non-Print Codes		<input type="checkbox"/> Trailer	<input type="checkbox"/> FIPS Standard	<input type="checkbox"/> None	

## FILE CHARACTERISTICS

NUMBER OF RECORDS	25. Physical 8009	27. Record Type <input type="checkbox"/> Fixed Length <input checked="" type="checkbox"/> Other Than Fixed	28. Records/Block (Blocking Factor) N/A	29. TYPE OF FILE ORGANIZ- ATION (Check One Box)	<input type="checkbox"/> One File
	26. Logical 266				<input type="checkbox"/> One Reel
RECORD LENGTH	30. Physical <input type="checkbox"/> Bytes <input type="checkbox"/> Chars.	<input type="checkbox"/> Words (	Bits/Word)	<input type="checkbox"/> One File	
	31. Logical <input type="checkbox"/> Bytes <input checked="" type="checkbox"/> Chars.	<input type="checkbox"/> Words (	Bits/Word)	<input type="checkbox"/> Multiple Reels	

## SUPPLEMENTAL INFORMATION

Yes No	32. Use/Handling Constraints (Specify if Yes) The ACVC may be distributed to a domestic requester provided he signs a Statement of Terms and Conditions (Atch 1). Foreign requesters from approved list (Atch 2) may also be sent the ACVC provided they first complete and sign AF Form 349 (Atch 3). A foreign requester not on approved list should be advised to submit his request for the ACVC through his country's embassy in Washington D.C.			<input type="checkbox"/> Multiple Files <input checked="" type="checkbox"/> One Reel <input type="checkbox"/> Multiple Reels <input type="checkbox"/> Multiple Files <input type="checkbox"/> Multiple Reels

## 33. For Submitting Organization Use